

10/018,412

1-7. (CANCELED)

8. (CURRENTLY AMENDED) A power distribution transmission having one mechanical and one hydraulic power branch, a hydraulic pump (1) and a separate hydraulic motor (3) both being interconnected with the hydraulic power branch, an intermediate plate (2) being located between the hydraulic pump (1) and the hydraulic motor (3) and the hydraulic pump (1) being coaxial with the hydraulic motor (3), the intermediate plate (2) defining a plane and being secured to a transmission housing (7) via connecting elements (6) including elastic damping elements (5), and said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via shafts (12, 17) which are floatingly supported, wherein remote ends of said shafts (12, 17) have one of crowned teeth and spiral gearing at connecting points (14, 19) which couple said shafts (12, 17) to the mechanical power branch, and the connecting elements intersect the plane.

9. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 8, wherein remote ends of each of said shafts (12, 17) support a toothed wheel (13, 16) and are supported within said transmission housing (7) by bearings (15, 20).

10. (PREVIOUSLY PRESENTED). The power distribution transmission according to claim 8, wherein said intermediate plate (2) has receptacles (4) for accommodating at least one of said connecting elements (6) and said damping elements (5).

11. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 10, wherein said receptacles (4) for at least one of said connecting elements (6) and said damping elements (5) are radially disposed around an axis of rotation (9) of said hydraulic pump (1).

12. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 8, wherein said hydraulic pump (1) has centering receptacles (10) for centering said hydraulic pump (1) with respect to said intermediate plate (2) within said transmission housing (7).

13. (CURRENTLY AMENDED) The power distribution transmission according to claim 8, wherein A power distribution transmission having one mechanical and one hydraulic power branch, a hydraulic pump (1) and a separate hydraulic motor (3) both being interconnected with the hydraulic power branch, an intermediate plate (2) being

10/018,412

located between the hydraulic pump (1) and the hydraulic motor (3) and the hydraulic pump (1) being coaxial with the hydraulic motor (3), the intermediate plate (2) being secured to a transmission housing (7) via connecting elements (6) including elastic damping elements (5), and said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via shafts (12, 17) which are floatingly supported.

wherein remote ends of said shafts (12, 17) have one of crowned teeth and spiral gearing at connecting points (14, 19) which couple said shafts (12, 17) to the mechanical power branch; and

said connecting elements (6) and said damping elements are all situated in one plane.

14-20. (CANCELED)

21. (CURRENTLY AMENDED) A power distribution transmission comprising:  
an intermediate support (2) located within a transmission housing (7);  
a mechanical power branch; and

a hydraulic power branch having a hydraulic pump (1) and a hydraulic motor (3), with the hydraulic pump (1) being located on one side of the intermediate support (2) and the hydraulic motor (3) being located on an opposite side of the intermediate support (2), and the intermediate support (2) defining a plane and being secured to a transmission housing (7) via connecting elements (6) including elastic damping elements (5) to facilitate floating movement of the hydraulic pump (1) and the hydraulic motor (3) along three axes with respect to a remainder of the transmission, and the connecting elements intersecting the plane;

the hydraulic pump (1) and the hydraulic motor (3) communicating with the mechanical power branch via a pair of floatingly supported opposed shafts (12, 17), and each of the pair of floatingly supported opposed shafts (12, 17) having one of crowned teeth and spiral gearing at a remote connecting point (14, 19) which couples the shaft (12 or 17) to the mechanical power branch; and

the hydraulic pump (1) being arranged coaxially with the hydraulic motor (3).

22. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 21, wherein each remote end of the pair of floatingly supported

10/018,412

opposed shafts (12, 17) is supported within the transmission housing (7) by bearings (15, 20) and has a toothed gear (13, 16)

23. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 21, wherein the intermediate support (2) is an intermediate plate (2) and the intermediate plate (2) has receptacles (4) for accommodating at least one of the connection elements and the damping elements (5).

24. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 23, wherein the receptacles (4), for the connecting elements (6) and the damping elements (5), are radially disposed about an axis of rotation (9) of the hydraulic pump (1).

25. (PREVIOUSLY PRESENTED) The power distribution transmission according to claim 21, wherein the hydraulic pump (1) has centering receptacles (10) for centering the hydraulic pump (1) with respect to an aperture in the intermediate plate (2).

26. (CURRENTLY AMENDED) The power distribution transmission according to claim 21, wherein the connecting elements (6) and the damping elements ~~lie in~~ intersect the plane and each one of the connecting elements (6) is accessible from the same side.

27. (PREVIOUSLY PRESENTED). The power distribution transmission according to claim 21, wherein each receptacle (4) of the intermediate plate (2) accommodate one of the connection elements (6) and one of the damping elements (5).

28. (NEW) The power distribution transmission according to claim 13, wherein the intermediate plate (2) has receptacles (4) for accommodating at least one of the connecting elements (6) and the damping elements (5).

29. (NEW) The power distribution transmission according to claim 28, wherein the receptacles (4) for at least one of the connecting elements (6) and the damping elements (5) are radially disposed around an axis of rotation (9) of the hydraulic pump (1).

30. (NEW) The power distribution transmission according to claim 9, wherein the hydraulic pump (1) has centering receptacles (10) for centering the hydraulic pump (1) with respect to the intermediate plate (2) within the transmission housing (7).

10/018,412

31. (NEW) The power distribution transmission according to claim 9, wherein remote ends of each of the shafts (12, 17) support a toothed wheel (13, 16) and are supported within the transmission housing (7) by bearings (15, 20).